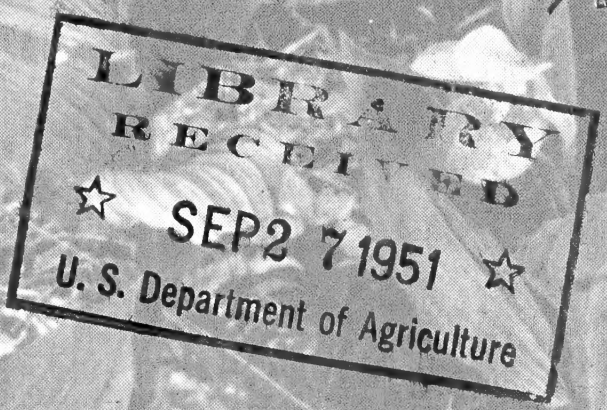


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Showy Ladyslippers in One of Our Beds



1951-1952

Catalog



Orchid Gardens

Route One

GRAND RAPIDS, MINNESOTA

Here is our catalog for the Fall 1951-Spring 1952 season, listing the best of the wildflowers, ferns and shrubs of the northern United States, together with hardy perennials, lilies, peonies and Colorado spruce.

Our specialty is native plants. We grow more species of native plants than any other nursery in Minnesota. We take pride in doing our small part to aid in their preservation and to acquaint people with some of the best of these plants. There was a luxuriant growth of these plants when the "pale-face" arrived. He cut the forests, plowed the prairies and drained the bogs, forcing many of these plants to near extinction. Our aim is to propagate these plants in nursery beds, thus multiplying them much faster than they would do in the wild, and producing plants that transplant readily. As we have now built up a good stock of many items, we have reduced our prices on them.

We welcome your questions regarding native plants, and will answer all to the best of our ability and knowledge. If we do not list the plant you want, we may be able to find it for you.

We have received many letters complimenting our plants and our method of packing. We would like to take this means of thanking all who have written so kindly. We will endeavor to continue to merit such confidence.

Sincerely,

Mr. and Mrs. Clair Phillips

CULTURAL REQUIREMENTS

Below are listed requirements of various plants, each group identified by a letter of the alphabet. In this way we hope it will be easier to pick out the plants that should do best in your particular situation. In the case of plants requiring special conditions, this will be noted in the descriptions.

A. Plants marked with "A" are those requiring light shade. The soil should be about one-half to one-third leafmold, well rotted cow manure, compost or neutral peat. The soil should be moist, but not soggy, with good drainage.

B. Plants marked with "B" will grow in any good garden soil either in full sun or light shade.

C. These are the plants that like "wet feet", even can be flooded for brief periods when dormant. Soil should be rich. Muck, neutral peat or any soil enriched with leafmold, well rotted cow manure or compost. Full sun or light shade.

D. Acid soil for these. Liberal addition of pine needles, oak leafmold or acid peat will bring success with these plants. Well drained soil in light shade is best.

M. We are marking those items that like a little extra moisture with "M" in combination with "A", "B" or "D." Those so marked will grow with conditions as above, but extra moisture is needed to do their best.

General: Fall planting is best for most native plants, particularly the early bloomers. In general, plant with about one-half inch to one inch of soil over the crown. A light mulch of leaves or marsh hay is good protection the first winter.

TERMS AND CONDITIONS OF SALE

Our terms are cash or 25% with order, balance C.O.D. With the exception of a few items, as noted in catalog, all prices are postpaid on orders of \$1.00 and over. On orders under \$1.00, please add 25c to cover packing, shipping, etc.

We include extra plants on all orders of \$1.00 and over.

We have received many compliments on our packing, and we guarantee that plants will arrive in good condition.

All plants, unless otherwise noted, are 20c each, \$2.00 per 12, \$15.00 per 100, 3 or more of one kind at the dozen rate, 25 or more at the 100 rate. This catalog cancels all previous quotations.

If you want your order sent by express, deduct 15% from the total and mark your order "send express collect."

Remit in the manner most convenient. If money is sent, it should be registered. We cannot be responsible for money sent by unregistered mail, as letters do sometimes get lost.

If acknowledgement of your order is not received within a reasonable length of time, write us.

WILDFLOWERS

Sweetflag. *Acorus calamus*. C. Brownish-yellow in short spikes on heavy grass-like stems. Root very fragrant. 3 to 5 feet.

White Baneberry. *Actaea alba*. A. Fluffy white blossoms in June, white berries in late summer. 18 to 24 inches.

Red Baneberry. *Actaea rubra*. A. Same as above, except berries, which are red.

Wild Leek. *Allium tricoccum*. A. Creamy white blossoms in late June on 8 to 12 in. stems. Flowers are not showy, but are one of the first woodland plants to show green. Plant bulbs about 2 in. deep.

Pearly Everlasting. *Anaphalis margaritacea*. B. White with brownish center. May be dried for winter bouquets. July, 12 to 18 inches.

Canada Anemone. *Anemone canadensis*. B. White flowers. June. 8 to 18 in.

Wood Anemone. *Anemone quinquefolia*. A. White or light rose blossoms above a whorl of leaves in early spring. Plant entirely disappears in late summer. 4 to 8 inches.

American Columbine. *Aquilegia canadensis*. B. Long spurred bright red flowers, yellow inside. May and June. 1 to 3 feet.

Bristly Sarsaparilla. *Aralia hispida*. DM. Creamy white flowers in June. Blue-black berries in fall. 2 to 3 ft.

Wild Sarsaparilla. *Aralia nudicaulis*. AM. Clusters of greenish-white flowers in June, purple-black berries in fall. Flower stems 8 to 12 inches, leaf stems to 2 ft.

American Spikenard. *Aralia racemosa*. AM. Greenish-white blossoms in June, red berries in fall. Massive and showy. 2 to 5 ft. 50c each, \$5.00 per 12.

Jack-in-the-Pulpit. *Arisaema triphyllum*. AM. Brownish green striped flower, red berries in fall. May. 12 to 18 inches.

Wild Ginger. *Asarum canadense*. A. Heart-shaped fuzzy gray green leaves. Small maroon flowers resting on the ground. Ground cover. April and May. 3 to 4 inches.

Swamp Milkweed. *Asclepias incarnata*. B or C. Deep rosy red flowers. June and July. 3 to 5 ft.

Calico Aster. *Aster lateriflorus*. B. Multitudes of small white blossoms in August. 2 to 3 ft.

Purple-stemmed Aster. C. Flowers light to dark violet. August, September. 3 to 5 ft. 30c each, \$3.00 doz., \$20.00 per 100.

Wild Calla. *Calla palustris*. C. Waxy white miniature "callas" in June. Red berries in late summer. Fine for pool. 5 to 10 inches. The long, thick rootstalk lies at or near the surface, sometimes under water. New rootstalks are formed each year.

Marsh Marigold. *Caltha palustris*. C. Bright yellow flowers, glossy green leaves. May and June. 6 to 18 inches.

Bluebells of Scotland. *Campanula rotundifolia*. B. June September. Dainty nodding blue bells on slender stems. 18 inches.

Blue Cohosh. *Caulophyllum thalictroides*. A.

Small yellow flowers. Intensely blue berries in late summer. June. 18 to 30 inches.

Turtlehead. *Chelone glabra*. BM or C. Spike of white flowers. July. 2 to 3 ft.

Creeping Snowberry. *Chiogenes hispidula*. DM. Evergreen creeper. Small white flowers in May or June, followed by shining white berries. 30c each, \$3.00 per 12.

Bluebears. *Clintonia borealis*. D. Yellow flowers in May, blue berries in fall. 5 to 8 in.

Goldthread. *Coptis trifolia*. DM. Evergreen creeper. Small white blossoms in midsummer, somewhat like strawberry blossoms, on 2 to 3 inch stem. 30c each, \$3.00 per 12, \$20.00 per 100.

Bunchberry. *Cornus canadensis*. D. White flowers in May and June, red berries in fall. Excellent ground cover. 3 to 6 in. 30c each, \$3.00 per 12, \$20.00 per 100.

Pink Moccasin Flower, *Cypripedium acaule*. D. May and June. Large pink "slippers." 6 to 12 inches. Soil must be acid with generous amount of humus. Rotted evergreen needles, oak leaf-mold or acid peat is to their liking. Light shade is necessary. They are found growing under pine trees and also in tamarack and spruce swamps. Crown must not be covered with water. 50c each, \$5.00 per 12, \$37.50 per 100.

Small Yellow Ladyslipper. *Cypripedium parviflorum*. AM. Small yellow "slippers." June. 6 to 12 inches. Same culture as for Showy Ladyslipper. 50c each, \$5.00 per 12, \$37.50 per 100.

Large Yellow Ladyslipper. *Cypripedium pubescens*. A. Large yellow "slippers". June. 18 to 24 inches. Plenty of leafmold, neutral peat or compost for these. Soil should be neutral or only slightly acid, well drained but with ample moisture. Shade of hardwood trees is best. Can be grown fairly well in any good garden soil. They are found growing in hardwood timberland, usually in clay soil. 60c each, \$6.00 per 12, \$45.00 per 100.

Showy Ladyslipper. *Cypripedium spectabile*. AM. Considered the most beautiful of the ladyslippers. Large white "slippers" flushed with deep pink. Plenty of humus, such as leafmold, peat or compost will aid in successfully growing the Showy Ladyslipper. It should be neutral or only slightly acid with plenty of moisture. The roots can be in quite wet soil, but the crown must be so water will not stand over it more than a few days at a time. Light shade is best. They will do better if too dry than too wet. They grow naturally in thin growths of arbor vitae or in ash flats and occasionally in aspen timberland. This Ladyslipper starts growth in the spring much later than the others. July. 60c each, \$6.00 per 12, \$45.00 per 100.

Dutchman's Breeches. *Dicentra cucullaria*. A. Nodding white flowers on 6 inch stems in April. Plant disappears in midsummer.

Shooting Star. *Dodecatheon meadia*. A or B. Clusters of cyclamen-like flowers on 6 to 12 inch stems above a rosette of leaves. White to purple. June. Plant disappears in late summer.

Fireweed. *Epilobium angustifolium*. B. Showy

spikes of light magenta flowers on 3 to 5 ft. plants in July or August.

Creeping Rattlesnake Plantain. *Epipactis repens* Var. *ophioides*. D. 6 inches. June. One-sided spike of white flowers above prostrate creamy veined green leaves. Culture same as for Pink Moccasin Flower. 60c each, 3 for \$1.50.

Thoroughwort. *Eupatorium perfoliatum*. BM or C. Dusky white blossoms on 3 to 4 ft. stems. July-August. 30c each, \$3.00 per 12, \$20.00 per 100.

Joe Pye Weed. *Eupatorium purpureum*. BM or C. Wine purple flowers. 3 to 5 ft. July-September. 30c each, \$3.00 per 12, \$20.00 per 100.

Wintergreen. *Gaultheria procumbens*. D. Thick glossy evergreen leaves on 3 to 4 inch plant. White bells followed by red berries in fall. 30c each, \$3.00 per 12, \$20.00 per 100.

Blind or Bottle Gentian. *Gentiana Andrewsii*. BM. Deep blue flowers that do not fully open. 12 to 18 inches. August. 30c each, \$3.00 per 12, \$20.00 per 100.

Wild Geranium. *Geranium maculatum*. B. Deep lavender. 12 to 18 in. May and June.

Large Purple-Fringe Orchid. *Habenaria fimbriata*. AM. Spikes of fragrant lavender-pink flowers on 18 to 24 inch stems. A beautiful wildflower. August. They grow naturally in mucky soil, where there is plenty of moisture, in full sun or light shade. They are also found in soil composed of about equal quantities of coarse sand and leafmold. Plenty of moisture is necessary for their best development. They may even be flooded for short periods. If in full sun, some low growing plants should be used to shade their roots. 60c each, \$6.00 per 12, \$45.00 per 100.

Round-Lobe Hepatica. *Hepatica triloba*. D. White to bright blue. 2 to 6 in. April. Known to many as Mayflowers.

Giant St. John's Wort. *Hypericum ascyron*. B. 3 to 5 ft. Bright yellow flowers in late July. 30c each. \$3.00 per doz., \$20.00 per 100.

Blueflag. *Iris-versicolor*. BM or C. Rich light blue. 2 to 3 ft. 30c each, \$3.00 per doz., \$20.00 per 100.

Gayfeather. *Liatris scariosa*. B. Spike of lavender purple blossoms in August. 2 to 4 ft. 30c each, \$3.00 per doz., \$20.00 per 100.

Twinflower. *Linnaea americana*. D. Trailing evergreen, round leaves. Two fragrant pink bells on 3 in. stems nearly all summer. 30c each, \$3.00 per doz., \$20.00 per 100.

Loosestrife. *Lysimachia thyrsiflorus*. C. 1 to 3 ft. Little spikes or clusters of yellow flowers grow from the lower leaf axils in June.

Canada Mayflower. *Maianthemum canadensis*. D. Small, fluffy white flower clusters on 3 to 4 inch stems in May. 30c each, \$3.00 per doz., \$20.00 per 100.

Wild Mint. *Mentha arvensis*. A, B or C. A clump of dark green wild mint with its rings of pale violet blossoms is nice at edge of your pool or bog garden. 1 to 2 ft. July. 30c each, \$3.00 for 12, \$20.00 per 100.

Virginia Bluebells. *Mertensia virginica*. A or B. Light blue bells. One of the best wildflowers. April. 12 in.

Monkey Flower. *Mimulus ringens*. M. A or B. Light purple snapdragon-like flowers scattered on 2 foot plants. July to September.

Grass of Parnassus. *Parnassia palustris*. B, M or C. One solitary white Buttercup like flower on each 8 to 12 in. stem. August.

Blue Phlox. *Phlox divaricata*. A or B. Foot high phlox with many lavender-blue blossoms in May. 30c each, \$3.00 per 12.

May Apple. *Podophyllum peltatum*. A. Even though the large leaves are carried about a foot above the ground this plant is a very good ground cover, as the leaves grow so densely that the ground cannot be seen. Large white flowers in June hidden by the leaves, followed by a yellowish green edible fruit. Root and leaves poisonous. 30c each, \$3.00 per 12.

Jacob's Ladder. *Polemonium reptans*. A or B. Pale blue bells in profusion in April or May. 8 to 12 in. 30c each, \$3.00 per doz., \$20.00 per 100.

Solomon's Seal. *Polygonatum biflorum*. A. Small green bells. Black berries in fall. 8 to 18 inch. May.

Self Heal or Blue Curls. *Prunella vulgaris*. B. Blue flowers. July, August. 6 to 12 inch.

Arctic Bramble. *Rubus arcticus*. A, M. Leaves similar to small strawberry. Fragrant rosy pink blossoms in May, similar to a single rose. Edible berries somewhat like raspberries sparingly in August. Rock garden. 50c each \$5.00 for 12. Not shipped to Oregon.

Bloodroot. *Sanguinaria canadensis*. A. Snow-white petals, yellow center. 5 to 8 in. May.

Pitcher Plant. *Sarracenia purpurea*. D. Requires moist situation. Reddish green flowers. Pitcher shaped leaves. 1 to 2 ft. July. 30c each, \$3.00 per doz., \$20.00 per 100.

Golden Ragwort. *Senecio aureus*. B. 2 to 3 feet. Golden yellow flowers in June. Long lasting cut flowers.

False Solomon's Seal. *Smilacina racemosa*. A or B. Fluffy white flowers on two foot stems in late June followed by glossy, red berries.

Starry False Solomon's Seal. *Smilacina stellata*. A. Small clusters of white flowers on one foot stems in June followed by black red berries.

Fringed Loosestrife. *Steironema ciliata*. AM. Wide open drooping yellow bells for nearly a month. July August. 18 to 24 inch.

Twisted Stalk and Rosy Twisted Stalk. *Streptopus amplexifolium*. S. roseum. A. The former has small white bells, the latter rose colored bells in May, but as the red berries in autumn are the showy part of the plant we are grouping them together. The plants resemble Solomon's Seal. 12 to 18 inches.

Canada Yew. *Taxus canadensis*. A. To 2 feet. Dwarf evergreen with soft silky needles. Scattered small red berries in late summer. \$1.00 each. \$10.00 for 12.

Early Meadowrue. *Thalictrum dioicum*. A. Misty purple flowers in May. 2 feet. 30c each. \$3.00 per 12. \$20.00 per 100.

Tall Meadowrue. *Thalictrum polygamum*. A or B. Feathery white flowers. Good cut flower. 4 to 6 feet. July and August. 30c each. \$3.00 per 12. \$20.00 per 100.

Foamflower. *Tiarella cordifolia*. A or D. Fluffy white flowers to 8 inches tall in May. Best in acid soil. 30c each, \$3.00 per 12.

American Starflower. *Trientalis americana*. D. 6 inches. A bare stem ending in a circle of sharp-pointed leaves, above which, on slender stems, appear two white stars in June. 30c each, \$3.00 per 12.

Nodding Trillium. *Trillium cernuum*. A. Nodding white blossom beneath the three leaves in early June. 8 to 12 inches.

Snow Trillium. *Trillium grandiflorum*. A. 8 to 16 inches. Large white blossom above the leaves in early June.

Merrybells. *Uvularia perfoliata*. A. Drooping yellow bells in May. 6 to 12 inches.

Bellwort. *Uvularia sessilifolia*. A. Pale yellow bells in May. 6 to 8 inches.

Mountain Cranberry. *Vaccinium vitis-idaea*. D. Dwarf sub-shrub to four inches with shiny deep green evergreen leaves. Rose-colored flowers in June, followed by large berries resembling cranberries. Edible when cooked. Not easy, but makes beautiful clumps. 50c each, \$5.00 per 12. \$45.00 per 100.

Sweet White Violet. *Viola blanda*. AM. Fragrant small white violets. May.

Canada Violet. *Viola canadensis*. A. Lavender and white. June and July. 6 to 12 inches.

Dog Violet. *Viola conspersa*. AM. 3 to 6 inches. Pale blue. April.

Downy Yellow Violet. *Viola pubescens*. A. Yellow violets in May. 6 to 8 inches.

Selkirk's Violet. *Viola Selkirkii*. AM. 2 to 4 inches. Our earliest violet. Short blooming season, but a very showy and beautiful little violet. Blossoms are bright violet in color. Rare. April.

Mixed Violets. A. The above and others in mixture, not labeled. 15c each. \$1.50 per 12. \$10.00 per 100.

FERNS

Maidenhair Fern. *Adiantum pedatum*. A. One of the most beautiful native ferns. 12 to 18 inches. Spreading fronds at the top of slender, wiry, black stems. 30c each. \$3.00 per 12. Plant rootstalks about one-half inch below surface.

Lady Fern. *Athyrium filix-femina*. A. A graceful species, growing from two to three feet tall. Plant the roots just below the surface.

Rattlesnake Fern. *Botrychium virginianum*. A. 1 to 2 feet. A broad triangular frond with a spore cluster above it. Plant with crown about 1 inch deep.

Berry Bladderfern. *Cystopteris bulbifera*. AM. Graceful rather weak fronds to 30 inches. Rock garden. Top of crown should be even with ground level.

Brittle Fern. *Cystopteris Fragilis*. A. 6 to 12 inches. Delicate little fern. Fine for shady rock garden. Top of crown should be even with ground level.

Crested Woodfern. *Dryopteris cristata*. AM. 12 to 18 inches. Nearly evergreen. Upright, rather narrow fronds. One of the most beautiful ferns. Top of rootstalk should be at ground level.

Spreading Shield Fern or Mountain Fancy Fern. *Dryopteris dilatata*. AM. 2 to 3 ft. Broad fronds of a rather light green. Nearly evergreen. For edges of pools or bog garden. Top of rootstalk should be at ground level.

Oakfern. *Dryopteris Linneana*. AM. A very tiny attractive 6 inch fern with branched fronds. Plant rootstalks about one-half inch below surface.

Narrow Beechfern. *Dryopteris phegopteris*. AM. Fronds borne at top of the 6 to 8 inch stems and are shaped like arrowheads. Plant rootstalks about one half inch below surface.

Marshfern. *Dryopteris thelypteris*. C. 12 to 18 inches. One for moist places. Top of rootstalk should be even with ground level.

Sensitive Fern. *Onoclea Sensibilis*. AM or C. Species with broad fronds, growing from a few inches to three feet tall. Top of rootstalk should be even with ground level.

Cinnamon Fern. *Osmunda cinnamomea*. AM or C. While at its best in wet locations, this fern may also be grown in dry soil. It varies in height from 2 to 6 feet depending on the moisture available. 30c each. \$3.00 per 12. \$20.00 per 100. Top of crown should be above ground.

Interrupted Fern. *Osmunda Claytoniana*. A or B. Possibly the largest of our native ferns, attaining a height of 6 feet. 30c each. \$3.00 per dozen. \$20.00 per 100. Top of crown should be above ground.

Christmas Fern. *Polystichum acrostichoides*. A. Evergreen. Very good fern, to 18 inches tall. Plant with crown level with surface. 30c each, \$3.00 per 12.

Bracken or Eagle Fern. *Pteridium aquilinum*. A or B. 2 to 3 feet. A rather coarse fern growing from creeping rootstalks. Plant rootstalks about 2 inches deep.

Ostrich Fern. *Pteritis nodulosa*. A or B. 2 to 5 feet. A very graceful plummy species, 2 to 5 feet in favorable locations. 30c each. \$3.00 per 12, \$20.00 per 100. Top of crown should be above ground.

PRAIRIE WILDFLOWERS

The plants in this listing require different environment than most of the other items we list. They need good drainage and a recommended soil mixture is made up of equal parts of ordinary soil, coarse sand and fine gravel. Full sun for all except those marked "shade." Those items like half shade.

Actinea simplex. 4 to 8 inches. June. Narrow silvery leaved rosettes. Brilliant golden daisies. 35c each, \$3.50 per 12.

Allium cernuum. Nodding Onion. July. 12 inches. Light shell pink. 3 for 35c, 75c per 12.

Antennaria aprica. Pussy-Toes. Inch high mats of silvery olive leaves. Gray-white pussy-toe blossoms at 4 inches. 30c each, \$3.00 per 12.

Artemisia frigida. August. Low, silvery cushions. Tiny yellowish bells on arching silvery spikes. 35c each, \$3.50 per 12.

Aster kumleini. September. 12 inches. Sheet of blue and gold. 40c each, \$4.00 per 12.

Aster ptarmicoides. July-August. 12 inches. White rays, cream center. Best in poor soil. Shade. 40c each, \$4.00 per 12.

Campanula petiolata. Western Harebell. 12 inches. June and July. Many blue or lavender bells. Shade. 35c each, \$3.50 per 12.

Dodecatheon pulchellum. 8 inches. Many rose and gold stars to the umbel. Shade. 40c each, \$4.00 per 12.

Iris missouriensis. 15 inches. June. Slender leaves, silvery blue blooms. Shade. 40c each. \$4.00 per 12.

Leucocrinum montanum. Sand Lily. April and May. Many little waxy white, fragrant lilies among grassy leaves. 35c each, \$3.50 per 12.

Liatris punctata. Dwarf Gayfeather. 18 inches. July. Dense fluffy blooms. 40c each, \$4.00 per 12.

Oenothera caespitosa. May to August. Gumbo Lily. Large white evening primroses upon the ground. Glossy leaves. Open all day. 35c each, \$3.50 per 12.

Opuntia fragilis, Brittle Cactus. June. Pygmy prickly pear. Large yellow blossoms. 35c each, \$3.50 per 12.

Opuntia humifusa. 4 to 6 in. Late June. Very large yellow, red-centered blooms, Ripe pears dark red. 30c each, \$3.00 per 12.

Opuntia polyacantha. 4 to 6 inches. Many spined prickly pear. 4 in. yellow blooms. 30c each, \$3.00 per 12.

Pentstemon glaber. 18 inches. June, July. Fine dark blue. 35c each, \$3.50 per 12.

Pentstemon grandiflorus. 30 inches. June. Deep lavender, gray green leaves. 35c each, \$3.50 per 12.

Yucca glauca. July. Sharp pointed leaves to 18 in. Tall spikes of creamy lilies. 50c each. \$5.00 per 12.

PERENNIAL VEGETABLES

Asparagus. Mary Washington. One of the best varieties. 12 for 75c, 25 or more at 5c each.

Chives. The finely cut leaves are used for flavoring soups, scrambled eggs or mixed with cottage cheese. Flavor is onion-like, but very mild. 3 for 10c, 12 for 30c, 25 or more at 2c each.

Horse Radish Roots. 6 for 45c, 12 for 75c, 25 or more at 5c each.

Winter Onions. For the earliest green or bunch onions. Set the plants fall or spring. They will multiply by stooling. When pulling for use, leave a stalk every 5 or 6 inches and you will have a permanent patch of early, tender, mild, sweet onions. Perfectly hardy. 12 for 50c, 25 or more at 3c each.

Rhubarb. Ruby. Long, deep crimson stalks. The flesh of the stalks is bright crimson. Roots, 75c each, 2 for \$1.25, 6 for \$5.50.

Rhubarb. Victoria. Broad, thick, tender stalks. Strong grower. Heavy yielder. 40c each, 2 for 75c, 6 for \$2.00, 12 for \$3.75.

GARDEN HERBS

We can supply plants of Thyme, Sage, Tansy and Catnip at 25c each. \$2.50 per dozen.

VINES

Purple Virgin's Bower. *Clematis verticillaris*. A. Purple flowers to 3 inches across in June. Fluffy seed clusters. 75c each. \$7.50 per 12. We have a few 2 year seedlings to offer at 50c each. \$5.00 per 12. Some of these may bloom next year.

Virginia Creeper. *Parthenocissus Quinquefolia*. A or B. Well known vine for porches and walls. 50c each. \$5.00 per 12.

HARDY PERENNIALS

Achillea. The Pearl. B. White blooms from June to September. 2 to 3 feet.

Mullein Pink. *Agrostemma coronaria*. B. 2 to 3 feet. Deep red flowers. Good cut flower. Silvery foliage. June to September.

Allium tanguticum. B. 18 to 24 inches. August - September. Lavender.

Allium tuberosum. B. 2 feet. August - September. White.

Basket of Gold. *Alyssum saxatile compactum*. B. 10 inches. June. Brilliant yellow flowers over silvery foliage.

Columbine. *Clematis* - flowered. *Aquilegia clematiflora*. B. 2 feet. June - July. Large, spurless blossoms in various colors.

Columbine. Double rose. B. 2 feet. June - July. 50c each.

Columbine. Longspur hybrids. B. 2 feet. June - July. Mixed colors.

Columbine. *Aquilegia*. Imperial Hybrids. B. 2 ft. Very large, fine colored columbines with long spurs. Mixed colors only. 1 yr. seedlings only. 30c each, \$3.00 per 12.

Anthemis. Hardy Marguerite. A or B. 2 to 3 ft. Yellow daisy-like flowers on long stems above fern-like foliage. Long lasting cutflower. June and July.

Asters. Mixed Hardy Asters. B. Purplish-pink to deep purple. Grow to 6 feet.

Aster. Harrington's Pink. B. Fine pink hardy aster to five feet. 50c each, 3 for \$1.40.

Harebell. *Campanula Carpatica*. B. 6 to 12 inches. Sun or shade. Large bright blue upright bells. June to frost

Bellflower. *Campanula rapunculoides*. B. 2 to 3 feet. Large purple hanging bells. July.

Snow-in-Summer. *Cerastium tomentosum*. 3-6 inches. Woolly, white leaves, many white flowers in May and June. Fine for edging and rock gardens.

Delphinium. B. Mixed colors. 40c each, \$4.00 per 12. June-July.

Delphinium. Imperial Hybrids. B. 6 to 7 ft. Large flowered hybrids in a great variety of colors. Mixed 1 year seedlings only. 30c each, \$3.00 per 100.

Sweet William. *Dianthus barbatus*. B. Mixed. June. 1 foot.

Bulgarian Pinks. *Dianthus carthusianorum*, var. *giganteus*. B. To 40 inches. July. Rose red.

Pinks. *Dianthus cruentus*. B. Small red blossoms in clusters on 1 foot stems in June.

Maiden Pinks. *Dianthus deltoides*. B. 8 inches. June to September. Small red or rose blossoms in profusion.

Yellow Pinks. *Dianthus Knappi*. B. 1 foot. June. Yellow. 50c each. \$5.00 per 12.

Clove Pinks. *Dianthus plumarius*. B. June. 1 foot. Mixed colors.

Pinks. Mixed. B. Many varieties and species.

Dianthus collection. B. One each of the six named species or varieties, separately labeled for \$1.50, 3 of each, labeled, \$4.00.

Plumy Bleeding Heart. *Dicentra eximia*. A or B. 16 inches. Rose colored hanging hearts fern like foliage. Light shade best. Everblooming.

Gaillardia. Blanket Flower. B. 2 to 3 ft. Mixed colors, yellow, red, red edged white, etc. 30c each, \$3.00 per 12.

Geum. Avens. B. 2 ft. In June to August appear large carnation like blooms that may be fiery scarlet or golden yellow. Fine cut flower. 30c each, \$3.00 per 12.

Golden Glow. B. The old fashioned tall perennial with double yellow flowers in August.

Day Lily. *Hemerocallis*. B. Large yellow hybrids. July-August.

Heuchera. Coral Bells. A or B. 2 ft. Mixed colors, white to crimson. Fine cutflower. 30c each, \$3.00 per 12.

Vesper Iris. *Iris dichotoma*. B. 2 to 4 feet. Fragrant cream to violet flowers. July to September.

Dwarf Iris. B. 8 to 12 inches. Large purple blooms on low plants. Very showy.

Lily of the Valley. B. 8 to 12 inches. Best in shade. Small fragrant white bells in May. Pips, 5c each, 50c per 12. \$3.50 per 100.

Perennial Flax. *Linum perenne*. B. June to August. 2 feet. Blue.

Russell Lupins. B. 3 to 4 feet. Fine border perennial. Mixed colors. We have only seedlings this year at 30c each. \$3.00 per 12.

Lychnis Chalcedonica. B. 3 to 4 feet. June August. Bright red flowers in clusters.

Forget-Me-Not. *Myosotis palustris*. A or B. 1 ft. Fine blue flowered bedding plant.

Phlox. B. Pure white. 2 to 3 feet.

Primrose. *Primula veris*. A or B. 1 ft. Mixed, white through yellow. 30c each, \$3.00 per 12.

Primrose. *Primula polyanthus*. A or B. 1 ft. Mixed colors in fine assortment, red through yellow to white. 50c each, \$5.00 per 12.

Baby Rose. B. Many tiny blossoms in shades from white to rose on dwarf bushes. 50c each. 3 for \$1.25.

Rock Soapwort. *Saponaria ocymoides*. B. 8 inches. Brilliant rosy purple blooms cover the plants from June to August. 30c each, \$3.00 per 12.

Shasta Daisy. Mayfield Giants. B. 2 feet. June to August. Large white daisies.

Swiss Giant Pansies. B. 50c and \$1.00 per dozen.

Veronica spicata. A or B. To 3 ft. Pyramidal

plants with long spikes of bright blue flowers. June to September. 30c each, \$3.00 per 12.

Viola cornuta. B. Mixed colors. Like small pansies. Everblooming. 75c per dozen.

HARDY LILIES

Red Star Lily. B. 18 to 30 inches. June. Bright red upright flowers. Plant 4 inches deep. 40c each. \$4.00 per 12.

David's Lily. B. 2 to 4 feet. July. Orange with dark spots. 4 to 6 inches deep. 50c each, \$5.00 per 12.

Davuricum. B. 2 feet. June. Salmon pink with deeper spots. Upright flowers. 4 inches deep. 40c each. 3 for \$1.00.

Candlestick Lily. B. 2 feet. June. Red upright flowers. 6 inches deep. 30c each, \$3.00 per 12.

Mixed Lilies. B. Above varieties and others. 30c each, \$3.00 per 12.

Special Lily Collection. One bulb of each variety, labeled, \$1.25, 3 of each, \$3.50.

PEONIES

3 to 5 bud divisions. Plant in any good soil, with the buds not more than two inches below the surface. Fall delivery only.

All peonies, except as noted, are \$1.00 each, 3 for \$2.50, postpaid.

Felix Crousse. Brilliant red.

Festiva Maxima. Large fine white.

Francis Ortegat. Red.

Geraldine. Japanese type. Purple.

Jeannot. Fine late pink. \$1.50 each, 3 for \$4.00.

La Tulipe. Lilac white.

Lemon Queen. Japanese type. Cream.

Louis Van Houtte. Red.

Marie Crousse. Fine shell pink.

Reine Hortense. Fine delicate pink.

Rubra Superba. Red.

Sarah Bernhardt. Apple blossom pink.

Suzette. Bengal rose.

Special offer: One root of each of the above peonies, labeled, for \$10.00, postpaid. 3 of each for \$27.50, postpaid.

Red, White or Pink, unnamed, labeled as to color, 75c each, 3 for \$2.00, 12 for \$7.50, postpaid. Assorted as you wish.

BROAD-LEAF EVERGREENS

A mixture of half acid peat and sand is good soil for these little shrubs. Mulch them to hold the moisture. Sun or light shade.

All Broadleaf Evergreens are 50c each, \$5.00 per 12.

Bog Rosemary or Downy Andromeda. *Andromeda glaucophylla*. 12 to 18 inches. Grayish green leaves. Little pink bells in June.

Leatherleaf. *Chamaedaphne calyculata*. 12 to 30 inches. Glistening green leaves. Multitudes of light pink bells in April.

Bog Laurel. *Kalmia polifolia*. 12 to 24 inches. Glistening green leaves, gray beneath. Nodding pink flowers in June.

Labrador Tea. *Ledum groenlandicum*. 12 to 24 inches. Leaves green above, rusty brown beneath. Umbels of white flowers in May.

One of each of the above evergreens, separately labeled, \$1.75. 3 of each for \$4.50.

NATIVE TREES AND SHRUBS

Trees and shrubs listed below are priced as follows, unless otherwise noted: 2 to 3 feet, 75c each, 3 for \$2.00, 3 to 4 feet, \$1.00 each, 3 for \$2.50, postpaid.

Hard or Sugar Maple. *Acer sacchrum*. To 75 feet. Long lived shade tree.

Mountain Maple. *Acer spicatum*. To 15 feet Dwarf maple. Spikes of flowers in June, followed by drooping seed clusters in fall.

Speckled Alder. *Alnus incana*. Large shrub to 20 feet, for moist, or even wet, situations. Deep green leaves. Many drooping catkins in early spring.

Juneberry. *Amelanchier canadensis*. To 25 feet. White flowers in April and May. Unfolding buds are like white wool. Edible sweet berries in July.

Black Chokeberry. *Aronia melanocarpa*. To 5 feet. Many white flowers in June, almost black berries in fall. Brilliant autumn foliage. 18 to 24 inches, 50c each, \$5.00 per 12.

Pagoda Dogwood. *Cornus alternifolia*. To 8 feet. Deep reddish bark. Yellowish flowers in June, bluish berries in late summer.

Red Osier Dogwood. *Cornus stolonifera*. To 6 feet. Red bark. White blossoms in June, white berries in late summer.

Hazelnut. *Corylus americana*. To 8 feet. The common hazelnut.

Beaked Hazelnut. *Corylus rostrata*. To 8 feet. Similar to above, but different shaped nut.

Leatherwood. *Dirca canadensis*. To 6 feet. Small bright yellow flowers in profusion before the leaves in spring. Attractive pale green leaves. Best in shade. One of the very best shrubs for shady spots. 6 to 12 inches, 50c each, \$5.00 per 12, 12 to 18 inches, \$1.00 each, \$10.00 per 12.

Winterberry. *Ilex verticillata*. To 8 feet. Small white flowers in June. Red holly berries in fall.

Red-berried Elder. *Sambucus pubens*. To 10 feet. Clusters of creamy white flowers in early spring, followed by scarlet berries, of which the birds are very fond.

Dwarf Snowberry. *Symphoricarpos racemosus* var. *nana*. Best in light shade in well drained soil. Small white blossoms in June, white berries in late summer. Light green leaves. 1 to 2 feet. 50c each, \$5.00 per 12.

Highbush Cranberry. *Viburnum americanum*. To 12 feet. White flowers in June, edible red berries in fall.

Arrowwood. *Viburnum dentatum*. To 6 feet. Creamy white flowers in June. Black-purple berries in fall. Deep wine red leaves in fall.

Nanny-Berry. *Viburnum Lentago*. To 15 feet. A good tall shrub. White flowers in May or June, bluish-black berries in August.

COLORADO SPRUCE

All Colorado spruce trees we offer have been transplanted 2 to 4 times, and are packed with a ball of earth. Following prices are per single tree, by express, not prepaid. 12 of one color and size at 10 times the single rate, 3 at the 12 rate.

	12-18	18-24	2-3	3-4
	in.	in.	ft.	ft.
Shiners	\$3.50	\$5.00	\$7.50	\$10.00
Blue	3.00	4.00	6.00	8.00
Green	2.00	3.00	4.00	5.00

SOIL CONDITIONERS

Well-rotted Cow Manure. 75c per bushel. 2 bushels or more at 65c per bushel. Not prepaid.

Peat. The peat we offer is a black, almost mucky, sedge peat, very old and very rotten. For loosening up heavy soils and making lighter soils more moisture retentive. 75c per bushel, 2 bushels or more at 65c per bushel. Not prepaid.

Leafmold as it comes from the woods, not screened, \$1.50 per bushel, not prepaid. Acid leafmold, \$2.00 per bushel, not prepaid.

Well rotted sawdust. Fine food and mulch for wildflowers, bushel \$1.00, 2 bushels or more at 75c per bushel. Not prepaid.

SPECIAL COLLECTIONS

All plants in collections are labeled and postpaid.

No. 1: For shady spot, 1 each: Bloodroot, Wild Ginger, Round-lobe Hepatica, Downy Yellow Violet, Canada Violet and Merrybells for \$1.00; 5 of each for \$4.00.

No. 2: Plants with showy berries. 1 each: Jack-in-the-Pulpit, Red Baneberry, Bluebeads, White Baneberry, Blue Cohosh and Bunchberry for \$1.00, 5 of each for \$4.00.

No. 3: For moist ground. 1 each: Wild Calla, Marsh Marigold, Turtlehead, Blueflag, Monkey Flower and Loosestrife for \$1.00; 5 of each for \$4.00.

No. 4. Fern collection. 1 each: Maidenhair Fern, Lady Fern, Berry Bladderfern, Mountain Fancy Fern, Oakfern and Narrow Beechfern for \$1.00; 5 of each for \$4.00.

If we should become sold out of any items in above collections, we reserve the right to substitute something of equal or greater value.

CHRISTMAS HOLIDAY DECORATIVES

Freshly made wreaths of Spruce, Balsam, or Cedar, with cones. 12 to 24 inch frames, \$1.50 to \$3.50. Not prepaid.

Fresh assorted evergreen boughs, large package \$2.00, not prepaid.

SEEDLINGS

We can supply seedlings and small divisions of the following plants at 50c per dozen, \$4.00 per 100, postpaid. Three or more of a kind at the dozen rate, 25 or more of a kind at the 100 rate. These little plants will need to grow from one to three years before blooming. Not less than 3 of a kind sold.

White or Red Baneberries, Canada Anemone, American Columbine, Jack-in-the-Pulpit, Wild Ginger, Marsh Marigold, Bluebeads, Shooting Star, Wild Geranium, Round-Lobe Hepatica, Blueflag, Virginia Bluebells, Jacob's Ladder, Solomon's Seal, Bloodroot, False Solomon's Seal, Nodding Trillium, Merrybells, Canada Violet, Dog Violet, Downy Yellow Violet.

SEEDS

We can supply seeds of a number of items we list. Inquire about the ones in which you are interested, we may have them. If not, we can gather them for you next season. All seeds are 15c per pkt.

**Hardy
Wildflowers**

Ferns

Perennials

Shrubs



Grown in the
Rigorous Climate of
Northern
Minnesota



Dug and Packed
Carefully to Reach
You in Fine
Growing Condition

ORCHID GARDENS

Route One

GRAND RAPIDS, MINNESOTA